

Serial No.: 10/510,926  
Amendment and Response  
Reply to Office Action of October 29, 2007

Attorney Docket No.: 030033.00022

**Amendments to the Drawings:**

Attached is one (1) replacement sheet of drawings containing Fig. 1. The drawing replaces the originally filed drawing sheet containing Fig. 1.

Attachment: Replacement Drawing Sheets (23 pages)

## **REMARKS**

### ***Introduction***

Claims 1-18 are currently pending in this application, of which claims 1-15 are amended herein, and 16-18 are withdrawn. Of the claims, only claims 1 and 16 are independent.

### ***Specification***

In response to the Examiner's request, a Substitute Specification is submitted herewith which conforms to U.S. practice. A Marked-Up version and a Clean version of the Substitute Specification are submitted in accordance with 37 C.F.R. § 1.125. It is believed that no new subject matter is added.

### ***Drawings***

Submitted is one (1) replacement drawing sheet containing Fig. 1. This drawing sheet replaces the originally filed drawing sheet containing Fig. 1. The labels in the blocks of Fig. 1 are amended to conform with the amendments made herein to the specification.

### ***Claim Objections - 35 USC 112***

Claims 1-15 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite. Claims 1-15 are amended herein to more clearly define the invention and to conform to U.S. practice.

***Claim Rejections - 35 USC 102 & 35 USC 103***

Claims 1-4 and 11-14 were rejected under 35 U.S.C. 102(b) as being anticipated by WO 93/17614 to Fardin. Claims 10 and 15 were rejected under 35 U.S.C. 103(a) as being obvious over Fardin. Applicant respectfully submits that the rejection should be withdrawn for at least the following reasons.

The invention, as claimed in the amended claim 1, is directed to a topical nerve diagnostic system with the use of a computer, comprising: a first data recording part storing data of a whole nerve pathway diagram; a first input part for receiving input data of neural findings; a first data extraction part extracting data for drawing associated nerve pathways related to abnormal neural findings from the data stored in the first data recording part according to neural finding data inputted through the first input part; a display; a whole nerve pathway indication part displaying a whole nerve pathway diagram on the display based on the data stored in the first data recording part; an associated nerve pathway indication part drawing associated nerve pathways in the whole nerve pathway diagram displayed on the display based on the data extracted by the first data extraction part; and an associated lesion estimation and indication part calculating a position of each of associated lesions and indicating the associated lesions in the whole nerve pathway diagram based on the associated nerve pathways drew on the display by the associated nerve pathway indication part.

Fardin (W0 93/17614) discloses an electronic apparatus for localizing, in function of motion deficits ascertained in test muscles of the upper limb and the lower limb respectively, the site of lesions of the peripheral nervous system which constitutes the brachial plexus and the lumbosacral plexus respectively. The electronic apparatus comprises a means for displaying two anatomic diagrams representing the peripheral nervous system which constitutes the brachial plexus and lumbosacral plexus respectively, and a set of cases located at branching points and in correspondence with the twigs of two anatomic diagrams. Each case contains the initials of the test muscles innervated by a portion of the peripheral nervous system, whose motion deficit is

associated to a lesion of the portion of the peripheral nervous system. The electronic apparatus further comprises a means for indicating as the site of the lesion the case containing the initials of all test muscles whose motion deficit is considered significant for the particular lesion level, and a set of function keys which allow to scan the test muscles and to mark those that show a motion deficit.

Fardin's apparatus is clearly distinguished from the topical nerve diagnostic system defined in amended claim 1. Fardin fails to disclose the feature of drawing associated nerve pathways in the whole nerve pathway diagram displayed on the display according to abnormal neural findings and calculating a position of each of associated lesions based on the associated nerve pathways drew on the display and indicating the associated lesions in the whole nerve pathway diagram.

In view of the foregoing points, it is respectfully submitted that the present invention as claimed in amended claim 1 is considered to be allowable. Amended claims 2-15 depend on amended claim 1 and are therefore considered to be allowable at least for the reason that amended claim 1 is allowable. It is respectfully submitted that the rejections to the claims be withdrawn.

### *Allowable Subject Matter*

The indication by the Examiner that claims 5-9 appear to be allowable is appreciated.

### *Conclusion*

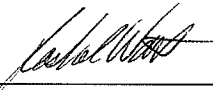
It is submitted that the present claims are patentable over the cited art and are in condition for allowance which is respectfully requested. If the Examiner has any further questions or concerns, the Examiner is invited to contact the undersigned.

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*A Petition for Extension of Time* and fee payment for three (3) months is being submitted herewith. If overpayment or underpayment has been made, the Director is authorized to charge/credit Deposit Account No. 08-2442 of the undersigned.

Respectfully submitted,  
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By: 

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